


USER: SIECAW  
Fricke, March 17, 2008  
DATE: ...  
DGN: ...

	CITY PROJECT NO.	SHEET NO.
	LSP	1
	Date: 03-2005	Drawn: DLS / CAW
	Scale: NONE	Checked: Approved:



GREEN PAINTED 2 1/2" POUNDS PER FOOT STEEL CHANNEL POST. HOLES SHALL BE 1" APART FULL LENGTH OF POST. POST SHALL BE 9' LONG

THIS HOLE SHALL LINE UP WITH BOTTOM HOLE OF CHANNEL POST.

3 1/2" TO 4" BOLTS WITH NYLON LOCKING NUT'S AND STEEL WASHERS ON BOTH SIDES.

GALVANIZED TAPCO WEDGE SWI OR APPROVED EQUIVALENT SHALL BE INSTALLED WITH REMOVAL HOLE JUST ABOVE THE TOP OF ANCHOR

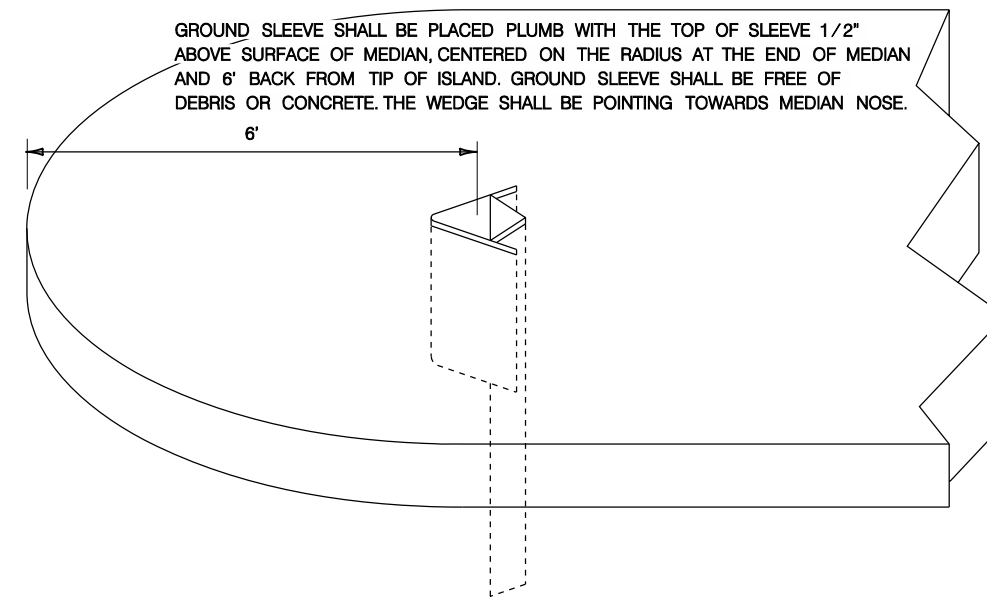
GALVANIZED TAPCO ADAPTER 19-UCA-18 - 18" IN LENGTH OR APPROVED EQUIVALENT

INSTALL ADAPTER WITH BREAKAWAY HOLES JUST ABOVE GROUND SLEEVE.

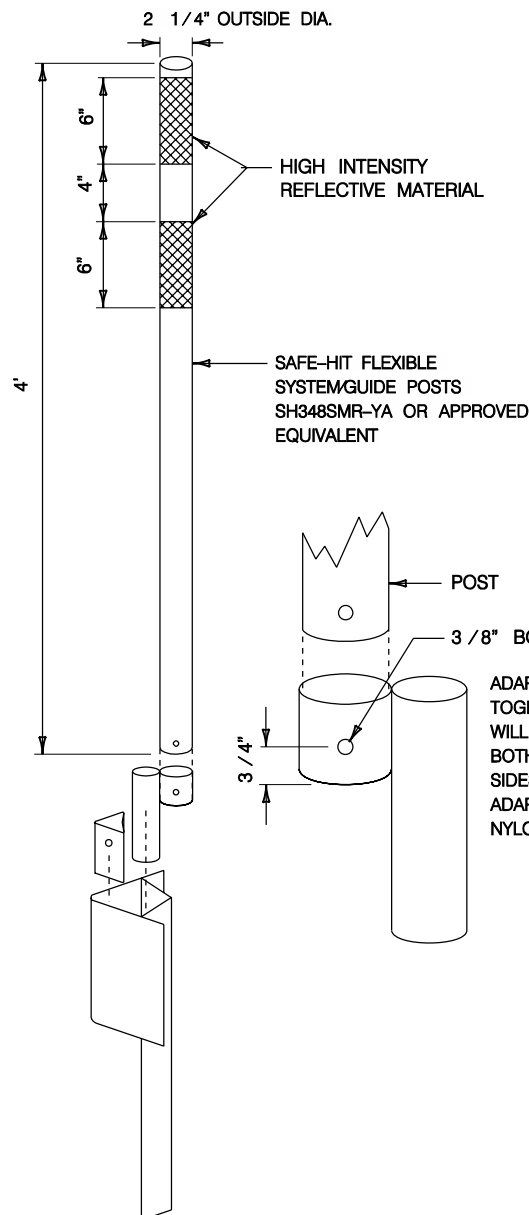
ANTI TURN BOLT SHALL ALWAYS FACE TO THE BACK OF GROUND SLEEVE.

TAPCO ANCHOR 19-VRI 18" IN LENGTH OR APPROVED EQUIVALENT

KEEP RIGHT DETAIL



GROUND SLEEVE MEDIAN PLACEMENT DETAIL

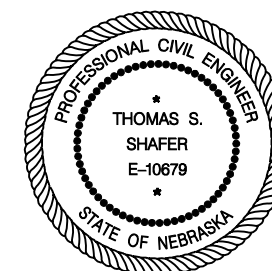
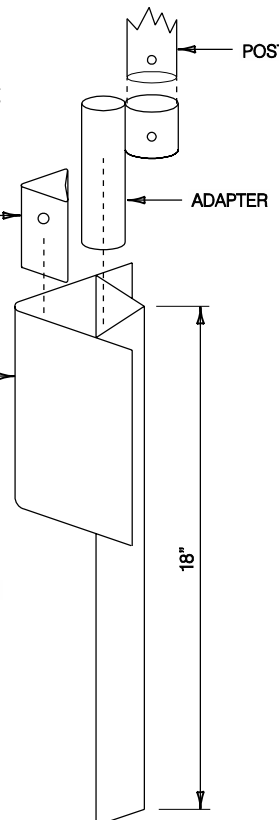


ADAPTER WILL CONSIST OF 2 PIECES OF PIPE WELDED TOGETHER, WITH TOPS EVEN AS SHOWN. THE SHORTER PIECE WILL BE 2" IN LENGTH AND 1 7/8" OUTSIDE DIAMETER. BOTH PIECES OF PIPE SHALL BE WELDED TOGETHER ON BOTH SIDES. SAFE HIT FLEXIBLE POST SHALL BE SECURED TO ADAPTER USING A 3" X 5/16" HEX HEAD BOLT GRADE 2 AND NYLON LOCKING NUT.


TUBULAR MARKER DETAIL

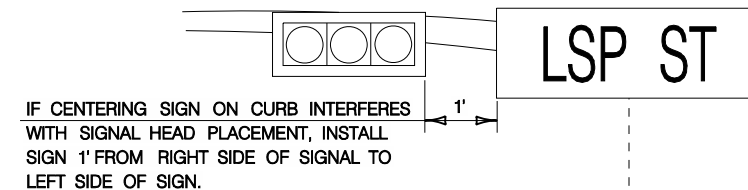
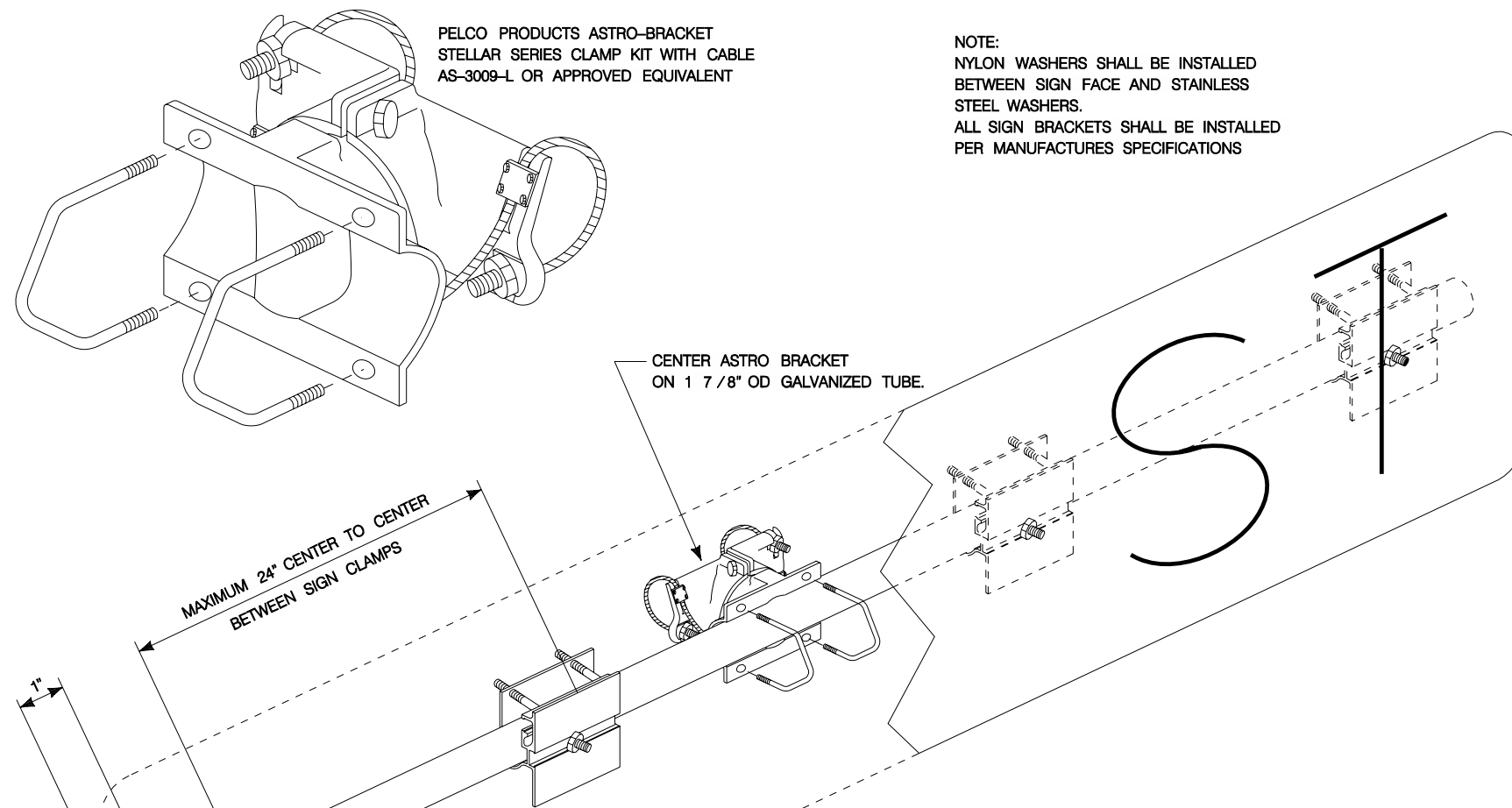
GALVANIZED TAPCO WEDGE SWI OR APPROVED EQUIVALENT SHALL BE INSTALLED WITH REMOVAL HOLE JUST ABOVE THE TOP OF ANCHOR

ANCHOR PART 19-VRI 18" IN LENGTH BY TAPCO OR APPROVED EQUIVALENT

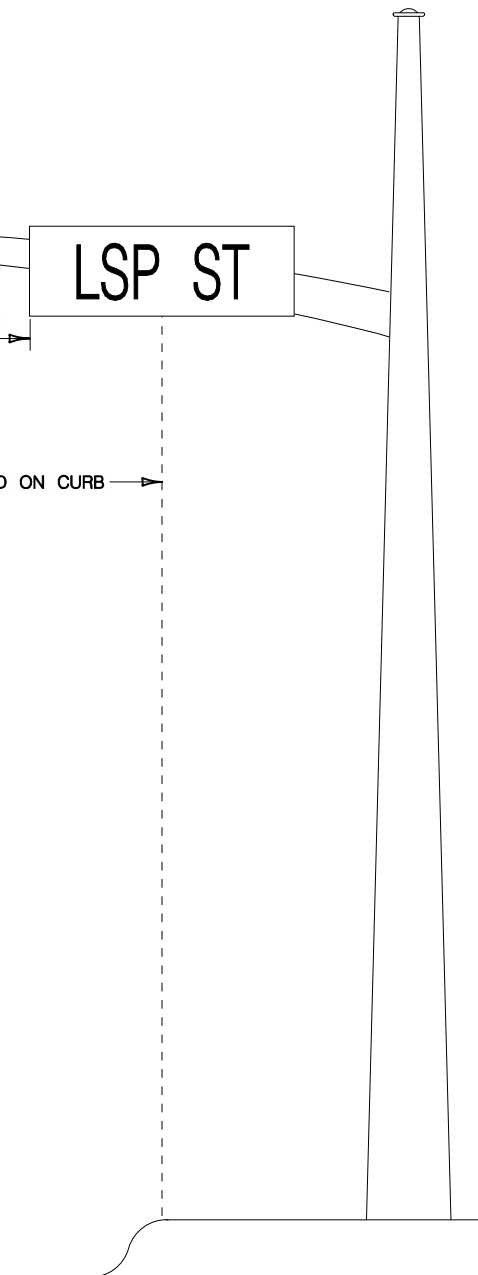


USER: SIECAW  
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	CITY PROJECT NO.	SHEET NO.
	LSP	2
	Date: 03-2005	Drawn: DLS / CAW
	Scale: NONE	Checked: Approved:

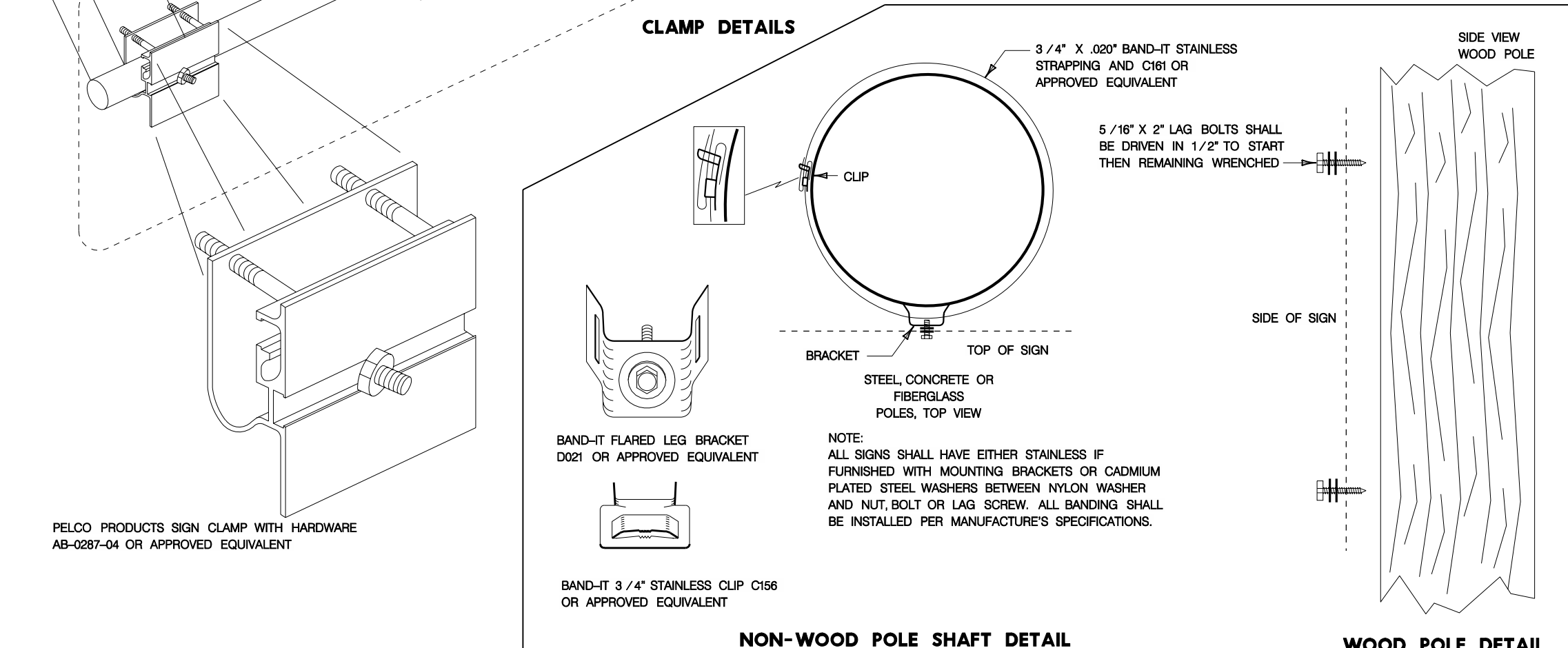


INSTALL SIGN CENTERED ON CURB



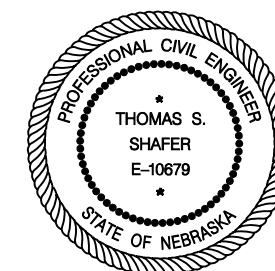
MAST ARM POLE DETAIL

### CLAMP DETAILS




NON-WOOD POLE SHAFT DETAIL

WOOD POLE DETAIL



USER: SIECAW  
Fricke, March 17, 2008  
DATE: 03-2008  
DGN: ... (standard) 2008 (lap) 783.dgn

	CITY PROJECT NO.	SHEET NO.
	LSP	3
	Date: 03-2008	Drawn: DLS / CAW
	Scale: NONE	Checked: Approved:

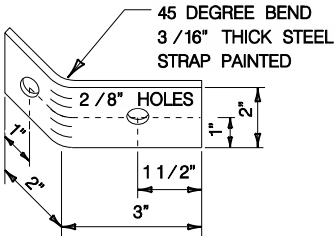
### CHANNEL POST APPLICATIONS

9' POSTS, SHALL BE 2 1/2 LBS. PER FOOT.  
THESE POSTS SHALL BE USED ON ALL BREAK-AWAY LOCATIONS,  
WHERE SIGNS SUCH AS KEEP RIGHT, U-TURN PERMITTED AND LANE  
USAGE SIGNS ARE INSTALLED. (SEE BREAK-AWAY LSP)

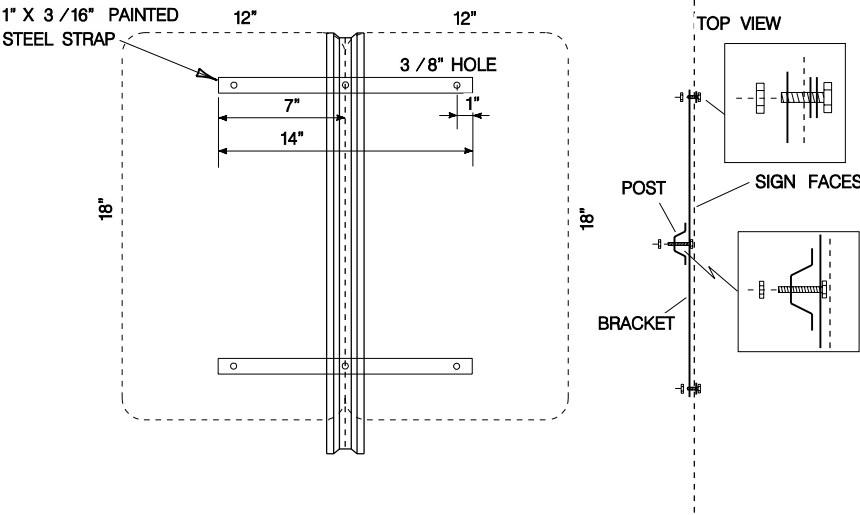
11' POSTS, SHALL BE 2 LBS. PER FOOT.  
SIGNS 18" X 24" OR SMALLER SHALL BE USED ON 11' POSTS. COMBIN-  
ATIONS OF SIGNS MAY BE USED. EXAMPLE TWO 12' X 18" SIGNS SIDE  
BY SIDE WITH ADDITIONAL SIGN BELOW SUCH AS A BUS STOP, OR  
SNOW ROUTE WITH NO PARKING. (SEE BELOW FOR GUIDANCE)

12' THRU 14' POSTS SHALL BE 3 LBS. PER FOOT AND MAY BE ORDERED  
UP TO BUT NOT EXCEEDING 14' IN LENGTH.

9' TO 12' POSTS SHALL BE INSTALLED 2.5' DEEP.  
12' TO 14' POSTS SHALL BE INSTALLED 3' DEEP.



THIS BRACKET CAN BE USED WHEN ONE SIGN SUCH AS A NO PARKING  
WITH ARROW NEEDS TO BE INSTALLED AT A 45 DEGREE ANGLE BELOW  
OTHER SIGN THAT IS FACING TRAFFIC. 5/16" BOLTS SHALL BE USED  
FOR INSTALLATION. NO PART NUMBER MUST BE PRE APPROVED.

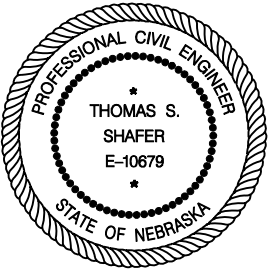


THESE BRACKETS CAN BE USED TO INSTALL NO PARKING SIZE SIGNS THAT  
HAVE OPPOSING ARROWS. THE BOLTS THAT HOLD THE BRACKETS TO THE  
POST SHALL BE BEHIND THE SIGNS AND SHALL BE 5/16" X 2 1/2" TO 3" IN  
LENGTH DEPENDING ON SIZE OF POST. THE SIGNS SHALL BE BOLTED TO  
BRACKETS USING 5/16" X 1" BOLTS WITH NYLON WASHERS. THERE MAY  
ALSO BE AN ADDED SIGN BELOW THIS ASSEMBLY BUT NOT LARGER THAN  
THE ASSEMBLY.  
NO PARKING SIGNS WILL ALWAYS BE ON THE TOP.


NOTE:  
SIGNS OVER 4' IN WIDTH SHALL HAVE TWO CHANNEL POST OR A  
CHANNEL POST AND POLE COMBINATION (IF THE POLE IS IN THE  
CORRECT SIGN LOCATION) OR A SIGN BRACKET AS SHOWN FOR  
METRO STREET NAME SIGNS ON LSP 78, SHEET 6.

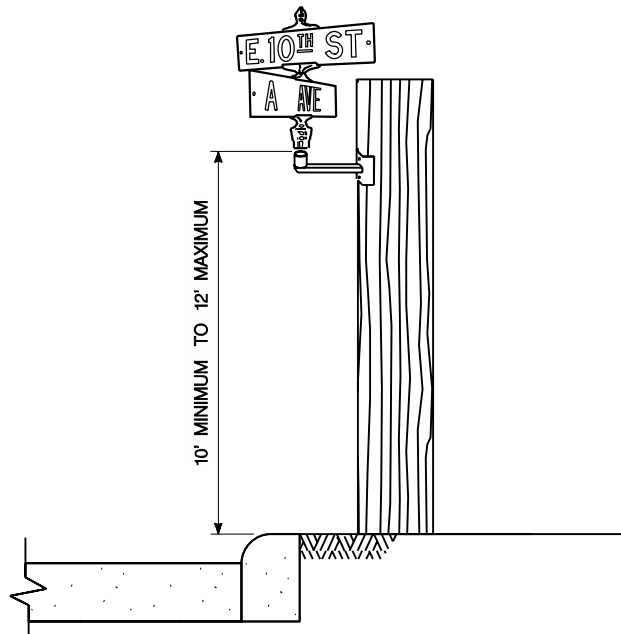
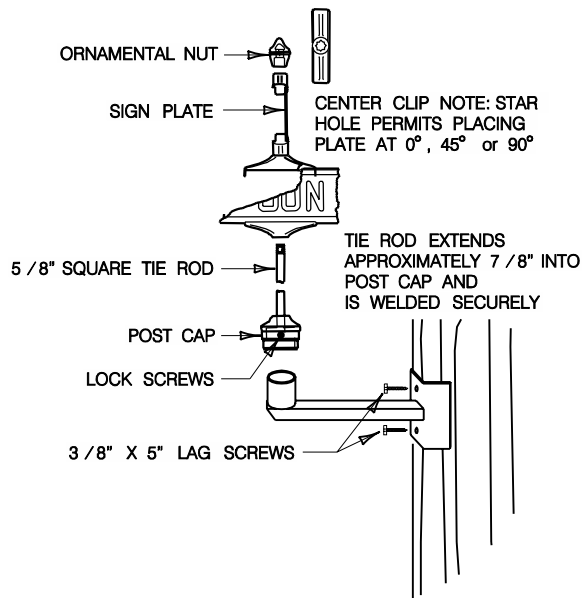


EXAMPLE: THIS COMBINATION  
OF SIGNS REQUIRES THE  
INSTALLATION OF A 14' POST.

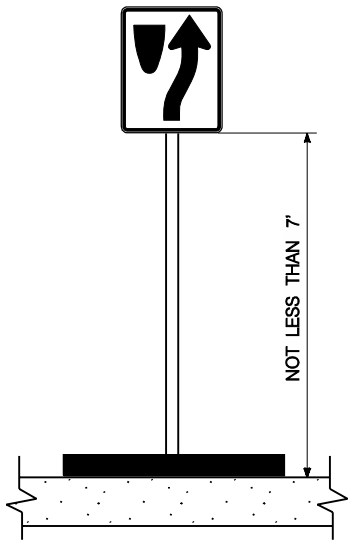


USER: SIECAW  
DATE: Friday, March 17, 2006  
DGN: ...\\standard\\2006\\lap784.dgn

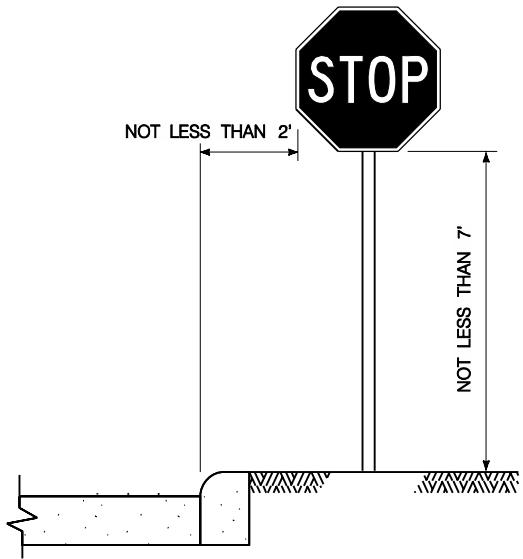
	CITY PROJECT NO.	SHEET NO.
	LSP	4
	Date: 03-2006	Drawn: APW / CAW
	Scale: NONE	Checked: Approved:



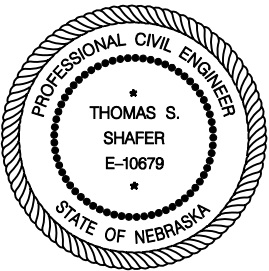
STREET NAME SIGN ARRANGEMENT TO WOOD POLE



SIGN ON NOSE OF MEDIAN



ROADSIDE SIGN







USER: SIECAW  
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4" E 30" 4" C  
6" 3" STREET

30" 3 1/2" 3 1/2" 3 1/4" 2" D 4" D  
6" N 74<sup>TH</sup> ST

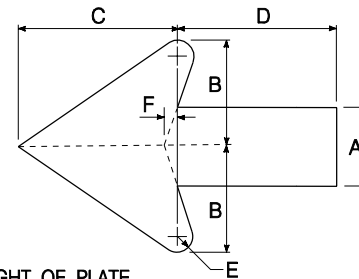
30" 4" 4" 3 1/4" 4" D  
6" N 16<sup>TH</sup> ST

42" 3" 3" 4" C  
6" ← BALLARD AV

48" 4" B 3" 3" 4" B  
6" PRINCESS MARGARET DR

102" 8" C 8"  
18" ABERDEEN AV →

96" 8" C 8"  
18" CENTENNIAL MALL



HEIGHT OF PLATE

	A	B	C	D	E	F
6"	1 1/2"	2"	3"	3"	3/8"	5/16"
9"	1 1/2"	2"	3"	3"	3/8"	5/16"
18"	2 1/4"	3"	4 1/2"	4 1/2"	7/16"	3/8"

60" 5" D 2" 2 1/2" 4" 5" B  
8" E MODIFIED A STREET 1400 S

THIS STYLE OF SIGN SHALL BE USED FOR ALPHABETIZED STREETS ONLY.

ALL STREET NAME LAYOUTS SHALL BE APPROVED BY CITY TRAFFIC ENGINEER PRIOR TO MANUFACTURING AND INSTALLATION.

STANDARD LETTER SPACING SHALL BE USED ON ALL SIGNS.

CENTER WORDS ON PLATES, VERTICAL AND HORIZONTAL.

REFER TO LSP 78 PAGES 2, 3 & 4 FOR INSTALLATION HARDWARE AND GUIDANCE.

ALL RADIUS CORNERS ON 18" PLATES SHALL BE 2 1/2"

ARROWS ON 6" & 9" PLATES SHALL BE 6" IN LENGTH AND 4" IN HEIGHT

ARROWS ON 18" PLATES SHALL BE 9" IN LENGTH AND 6" IN HEIGHT

BORDERS ON ALL 18" PLATES SHALL BE 3/4"

96" 8" D 8" 2" 5" D 5" B 2 1/2" 4" 2"  
18" PINE LAKE RD 7000 S

STREET, ROAD, ETC. SHALL BE CENTERED OVER BLOCK NUMBER

